

ABSTRACT

The present invention relates to a method of reducing the energy of an emulsion blasting agent as it is being loaded into a borehole and to an improved method of perimeter blasting wherein an energy reducing agent is added to and mixed uniformly throughout an emulsion blasting agent as it is being pumped or conveyed into a perimeter borehole to reduce the energy of the blasting agent to a desired level. In addition, by adding varying amount of gassing agents, the density and sensitivity of the emulsion blasting agent also can be controlled.

Patented by the United States Patent and Trademark Office on 11/11/2014.